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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/884,933	06/21/2001	Haruki Koyanagi	027260-473	3897
7:	590 04/24/2003			
Platon N. Mandros BURNS, DOANE, SWECKER & MATHIS, L.L.P. P.O. Box 1404			EXAMINER	
			NGUYEN, JOSEPH H	
Alexandria, VA 22313-1404			ART UNIT	PAPER NUMBER
			2815	
			DATE MAILED: 04/24/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

			9/1				
		Application No.	Applicant(s)				
•		09/884,933	KOYANAGI, HARUKI				
•	Office Action Summary	Examiner	Art Unit				
		Joseph Nguyen	2815				
	The MAILING DATE of this communication appears on the cov r sheet with the correspondenc addr ss Period for Reply						
THE N - Exten after S - If the - If NO - Failur - Any re	DRTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNICAT sions of time may be available under the provisions of 37 SIX (6) MONTHS from the mailing date of this communical period for reply specified above is less than thirty (30) day period for reply is specified above, the maximum statutory e to reply within the set or extended period for reply will, be ply received by the Office later than three months after the distance of the patent term adjustment. See 37 CFR 1.704(b).	TION. CFR 1.136(a). In no event, however, may tion. is, a reply within the statutory minimum of y period will apply and will expire SIX (6) how statute, cause the application to become	y a reply be timely filed thirty (30) days will be considered timely. MONTHS from the mailing date of this communication. e ABANDONED (35 U.S.C. § 133).				
1)⊠	Responsive to communication(s) filed of	on <u>25 <i>February</i> 2003</u> .					
2a)⊠	This action is FINAL . 2b)[This action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims							
4)⊠	Claim(s) 1-6 and 8-11 is/are pending in	the application.					
•	4a) Of the above claim(s) is/are w	ithdrawn from consideration.					
5)	Claim(s) is/are allowed.						
6)⊠	6)⊠ Claim(s) <u>1-6 and 8-11</u> is/are rejected.						
7)	7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
9) The specification is objected to by the Examiner.							
10) ☐ The drawing(s) filed on 21 June 2001 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.							
If approved, corrected drawings are required in reply to this Office action. 12) The oath or declaration is objected to by the Examiner.							
·—							
Priority under 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a)[All b) Some * c) None of: All b None of:	www.nta.hava.haan.raaaiyad					
	1. Certified copies of the priority doc		n Application No.				
	2. Certified copies of the priority doc						
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the international Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).							
 a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. 							
Attachmen			•				
2) Notic	te of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PTO- mation Disclosure Statement(s) (PTO-1449) Paper	948) 5) 🔲 Notice	iew Summary (PTO-413) Paper No(s) e of Informal Patent Application (PTO-152) :				

U.S. Patent and Trademark Office PTO-326 (Rev. 04-01)

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-6, 8-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Matsumoto et al (JP 9-178974).

Regarding claim 1, Matsumoto et al discloses on figure 1 a laser diode module comprising a laser diode 20; a lens 30 provided on an optical path of a laser beam emitted by said laser diode; a polarizer 11 provided on an optical path of the laser beam transmitted by said lens; and an optical fiber 40 provided at a location to which the laser beam transmitted by said polarizer is optimally coupled wherein said polarizer 11 is angled so that a direction of polarization permitted to pass through said polarizer is rotated about an optical path of the laser beam passing through the polarizer relative to a direction of polarization of the laser beam transmitted by said lens 30.

Regarding claim 2, Matsumoto et al discloses on figure 1 said optical fiber 40 is provided in the vicinity of the location to which the laser beam transmitted by said polarizor 11 is optimally coupled.

Regarding claim 3, Matsumoto et al discloses on figure 1 said polarizer 11 is placed so that the direction of polarization permitted to pass through said polarizer is

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angled against a direction of polarization of the laser beam from said laser diode 20 at an angle ensures a desired level of optical output from said optical fiber 40.

Regarding claim 4, Matsumoto et al discloses on figure 1 a laser diode module comprising a laser diode 20; a lens 30 provided on an optical path of a laser beam emitted by said laser diode; an optical isolator 10 provided on an optical path of the laser beam transmitted by said lens and including a polarizer 11, a rotator 12 and an analyzer 13; and an optical fiber 40 provided at a location to which the laser beam transmitted by said polarizer is optimally coupled wherein said polarizer 11 is angled so that a direction of polarization permitted to pass through said polarizer is rotated about an optical path of the laser beam passing through the polarizer relative to a direction of polarization of the laser beam transmitted by said lens 30.

Regarding claim 5, Matsumoto et al discloses on figure 1 said optical fiber 40 is provided in the vicinity of the location to which the laser beam transmitted by said polarizer 11 is optimally coupled.

Regarding claim 6, Matsumoto et al discloses on figure 1 said polarizer 11 is placed so that the direction of polarization permitted to pass through said polarizer is angled against a direction of polarization of the laser beam from said laser diode 20 at an angle ensures a desired level of optical output from said optical fiber 40.

Regarding claim 8, Matsumoto et al discloses on figure 1 a laser diode module comprising a laser diode 20; a lens 30 provided on an optical path of a laser beam emitted by said laser diode; a polarizer 11 disposed adjacent to the lens which receives the laser beam transmitted by said lens; and an optical fiber 40 provided at a location to

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which the laser beam transmitted by said polarizer is optimally coupled wherein said polarizer 11 is oriented such that a direction of polarization permitted to pass through said polarizer is rotated about an optical path of the laser beam passing through the polarizer relative to a direction of polarization of the laser beam transmitted by said lens 30.

Regarding claims 9-11, Matsumoto et al discloses on figure 1 all the structures set forth in the claimed invention 9-11.

Response to Arguments .

Applicant's arguments filed on 2/25/2003 have been fully considered but they are not persuasive.

Applicant argues that Matsumoto et al does not disclose, "a polarizer angled such that a direction of polarization permitted to pass through the polarizer is rotated about an optical path of a laser beam passing through the polarizer relative to a direction of polarization of the laser beam transmitted by a lens" as now recited in amended claims 1, 4 and new claim 8. However, Matsumoto et al clearly discloses on figure 1a polarizer 11 angled such that a direction of polarization permitted to pass through the polarizer is rotated about an optical path of a laser beam passing through the polarizer relative to a direction of polarization of the laser beam transmitted by a lens 30. It should be noted that Matsumoto et al teaches that the tapered light is passed through an optical isolator 10 and converged just on the end face of the optical fiber 40 (see English Abstract). That is, said polarizer 11 is angled such that a direction of

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polarization permitted to pass through said polarizer is rotated about an optical path of a laser beam passing through the polarizer relative to a direction of polarization of the laser beam transmitted by said lens 30 in the same manner as the structure disclosed in figure 1A of the present application. Therefore, Matsumoto reference still reads on the claimed invention herein.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph Nguyen whose telephone number is (703) 308-1269. The examiner can normally be reached on Monday-Friday, 7:30 am- 4:30 pm

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Lee can be reached on (703) 308-1690. The fax phone numbers for the organization where this application or proceeding is assigned is (703) 308-7382 for regular communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

JN April 21, 2003

> EDDIE LEE SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2800